



US Army Corps
of Engineers
St. Paul District

Information Paper

Streambank Protection: Mississippi River, Aitkin County State Highway 10, Palisade, Minn.



An Army Corps of Engineers contractor places rock in January 2001

Contact

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Location/Description

The erosion site is located on the west bank of the Mississippi River adjacent to County State-Aid Highway 10 (CSAH 10), in Workman Township, Aitkin County, Minn., six miles northeast of Palisade, Minn. Palisade is approximately 155 miles north of St. Paul, Minn.

Erosion along the Mississippi River is threatening CSAH 10. The bank failed most recently on Aug. 16, 1998. The failure impacted one lane of the highway and the county closed it to traffic.

The recommended plan consists of protecting approximately 550 feet of riverbank with riprap (rock) and unloading the top of the bank to stabilize the slope failures.

Status

The Aitkin County Board requested a Streambank Protection study from the U.S. Army Corps of Engineers in August 1998. The St. Paul District completed the study and the project was approved on May 10, 1999. Rock placement was completed in February 2001. Plantings and final cleanup are scheduled for spring 2001.

Authority

Section 14 of the 1946 Flood Control Act, as amended.

Fiscal

The first \$40,000 of planning, design and analysis (PDA) at each site is conducted at full federal expense. The remainder of the project costs will be shared at 65 percent federal and 35 percent non-federal if the project is approved and proceeds to construction. Planning, design and analysis includes all activities up to and including award of a construction contract.

Federal cost	\$428,000
Non-federal cost	<u>\$209,000</u>
Total estimated cost	\$637,000